

Title (en)

CATALYTIC REACTOR INCLUDING ONE CELLULAR AREA HAVING CONTROLLED MACROPOROSITY AND A CONTROLLED MICROSTRUCTURE AND ONE AREA HAVING A STANDARD MICROSTRUCTURE

Title (de)

KATALYTISCHER REAKTOR MIT EINEM ZELLBEREICH MIT GESTEUERTER MAKROPORÖSITÄT UND GESTEUERTER MIKROSTRUKTUR SOWIE EINEM BEREICH MIT EINER STANDARDMIKROSTRUKTUR

Title (fr)

RÉACTEUR CATALYTIQUE COMPRENANT UNE ZONE ALVÉOLAIRE DE MACROPOROSITÉ ET MICROSTRUCTURE CONTRÔLÉES ET UNE ZONE À MICROSTRUCTURE STANDARD

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Application

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Abstract (en)

[origin: WO2011067509A1] The invention relates to a catalytic reactor including: at least one first architecture/microstructure (1) including a ceramic and/or metal cellular architecture having a pore size of 2 to 80 ppi and a macroporosity of more than 85%, and a microstructure having a grain size of 100 nm to 5 microns, and skeleton densification of more than 95%, and a catalytic layer; and at least one second architecture/microstructure (2) including a spherical or cylindrical architecture having a pore size of 0.1 to 100 µm and a macroporosity of less than 60%, and a microstructure having a grain size of 20 nm to 10 µm and a skeleton densification of 20% to 90%, and a catalytic layer; the first and second architecture/microstructure being stacked inside said reactor.

IPC 8 full level

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CPC (source: EP US)

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C-Set (source: EP US)

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